

What is claimed is:

1. A battery, comprising:

a battery element including a cathode, an anode and an electrolyte
and being accommodated in a film-shaped casing,

wherein the casing includes a metal layer and a resin layer
disposed on a side of the metal layer closer to the battery element with an
adhesive layer in between, and

the adhesive layer has a water vapor transmission rate of 800 g/m²·
day for a thickness of 25 μ m at 40°C and 90%RH and a thickness of 10 μ
 m or less.

2. A battery according to claim 1, wherein

the adhesive layer includes an acrylic adhesive.

3. A battery according to claim 1, wherein

the resin layer includes a modified polyolefin resin.

4. A battery according to claim 3, wherein

the resin layer includes at least one kind selected from the group
consisting of modified polypropylene having a carbonyl group and modified
polyethylene having a carbonyl group.

5. A battery according to claim 1, wherein

the resin layer has a thickness of 50 μm or less.

6. A battery according to claim 1, wherein

the electrolyte includes a gel electrolyte or a solid electrolyte.

7. A battery according to claim 1, wherein

the anode includes an anode material capable of inserting and extracting lithium (Li).

8. A battery according to claim 7, wherein

the anode includes a carbon material.

9. A battery according to claim 1, wherein

the cathode includes a cathode material capable of inserting and extracting lithium (Li).

10. A battery according to claim 9, wherein

the cathode includes a complex oxide of lithium and a transition metal.

11. A battery, comprising:

a battery element including a cathode, an anode and an electrolyte and being accommodated in a film-shaped casing,

wherein the casing includes a metal layer and a thermoplastic layer with a thickness of 50 μm or less disposed on a side of the metal layer closer to the battery element.

12. A battery according to claim 11, wherein
the thermoplastic layer includes a modified polyolefin resin.

13. A battery according to claim 12, wherein
the thermoplastic layer includes at least one kind selected from the group consisting of modified polypropylene having a carbonyl group and modified polyethylene having a carbonyl group.

14. A battery according to claim 11, wherein
the electrolyte includes a gel electrolyte or a solid electrolyte.

15. A battery according to claim 11, wherein
the anode includes an anode material capable of inserting and extracting lithium (Li).

16. A battery according to claim 15, wherein
the anode includes a carbon material.

17. A battery according to claim 11, wherein

the cathode includes a cathode material capable of inserting and extracting lithium (Li).

18. A battery according to claim 17, wherein
the cathode includes a complex oxide of lithium and a transition metal.